Form P		•		5 N	Attorney Docket No.: 28	03.64680		Seria	al No.:	09/663,58	30
(Rev. 8				E 48	Applicant: Takeda et al.		•			•	
		TION DISCLOSURE CITA' I sheets if necessary)	FEB 1	2006	Filing Date: September 15, 2000 Group: 2871			71			
U.S. P	ATE	NT DOCUMENTS	TA TELON	AFF OF THE						<b>.</b>	
Examine Initial		Document Number	Date		Name	.c	lass	Sub	class	Filing If Appi	Date opriate
Da	7	4,385,806		Fergason			1		<u> </u>		
1		4,701,028		Clerc							
		4,786,147		Clerc							
		4,889,412		Clerc	<del></del>						
	T	5,579,140		Yamahara							
		5,745,206		Koike	,		T				
		5,757,451		Miyazaki		•					
		5,907,380		Lien			T				
		6,147,729		Kurauchi							
Ø~		6,288,762		Sasaki					1		
FORE	GN	PATENT DOCUMENTS									
									*	Translat	ion
		Document Number	Date	Country	·	Cla	\$S	Subo	lass	Yes	No
DU		GB 1,462,978	Jan. 26,1977	England		[ ,	_		.—.	Abs.	
n	/	JP 6-082777	March 25,1994	Japan			_		-	Abs.	
Pr~	/	JP 9-033882	Feb. 7, 1997	Japan					_		-
	T										
ОТНЕ	R DO	OCUMENTS (Including Aut	hor, Title, Date, Pe	rtinent Pages	, Etc.)			······································			
Br		Soref et al.; "Electrically C	Controlled Birefring	gence of Thin	Nematic Films," Journal	of Applied P	hys	ics, Vol	. 43, В	i, 5, May	1972,
	+					······································			<u>.</u>		
	$\dashv$										
	+										
	$\dashv$										
	十	_	<del>_</del>	<u> </u>							
Exami	ner	DNCWPN	/	Date	Considered	06/1	8	10-	7		i
*Exam	iner:	Initial if c	itation considered,	whether or no	ot citation is in conformandered. Include copy of this	ce with MPE form with n	P 6	09; Dra	w line	through c	itation

(7/5/01) Sheet 1 of 1 U.S. Department of Commerce Form PTO-1449 Attorney Docket No.: 2803.64680 Serial No.: 09/663,580 (Rev. 8-88) Patent and Trademark Office Applicant: Takeda et al. INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Filing Date: 9/15/00 Group: 2871 **U.S. PATENT DOCUMENTS** Examiner Filing Date Initial\* **Document Number** Date Name Class Subclass If Appropriate THE STATE OF THE S **91**~ 5,136,407 Aug. 4, 1992 Clerc Mar. 4, 1991 5,298,199 Mar. 29, 1994 Hirose et al. Oct. 11, 1991 5,434,690 Jul. 18, 1995 Hisatake et al. Jul. 26, 1994 5,583,679 Dec. 10, 1996 Ito et al. May 31, 1995 5,608,556 Mar. 4, 1997 Koma Jun. 21, 1994 5,953,093 Sep. 14, 1999 Hirata et al. Nov. 10, 1998 5,986,732 Nov. 16, 1999 Ozeki et al. Sep. 23, 1996 5,995,190 Nov. 30, 1999 Nagae et al. Mar. 6, 1997 10N 6,191,836 Feb. 20, 2001 Woo et al. Jun. 5, 1997 FOREIGN PATENT DOCUMENTS i iii rii Translation Document Number Date Country Class Subclass Yes No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Okamoto; MVA Liquid Crystal Technology - Latest Version of VA Liquid Crystals; Nikkei Flat Panel Display; B~ Part 3-6; Pages 104-107. Examiner DNWYEN Date Considered \*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(113/01)

## PATENT APPLICATION

NO.

Sheet 1/3

/	QE	· IAr w	FO
0	` .	4 2006	W/S
	FER	<b>\</b> "	Ş Ş
\	NEW!	ATRICE	<u> </u>

RM PTO-1449

ST OF PATENTS AND PUBLICATIONS FOR PPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY, DOCKET NO.	APPLICATION NO.	CONFIRMATION
2803.64680	09,663,580	
APPLICANT	·····	<u></u>
Takeda et al.		•
FILING DATE	GROUP	
Sep. 15, 2000	2871	

#### REFERENCE DESIGNATION

#### **U.S. PATENT DOCUMENTS**

			·	ATEM DOCUMENTS	-, ··;	
EXAMINEI INITIAL	1	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
Dn.	-1A	5,673,092	Sep. 30, 1997	Horie et al.	349	86
por	18	5,917,572	Jun. 29, 1999	Karauchi et al.	349	156
and	1C	6,061,117	May 9, 2000	Horie et al.	349	156
	ĺD					
	1E					
	1F					
	1G			**		<u>.</u>
	1H					<del></del> -
	11					
	1J					
-	1K					·

#### FOREIGN PATENT DOCUMENTS

	1.	DOCUMENT	DATE	NAME	CLASS	SUB	TRANSLATION	
	<u> </u>	NUMBER		1	CDASS	CLASS	YES	NO .
DN	1L	7-199205	Aug. 4, 1995	Japan	_	-	x	
O~	1M	6-258649	Sep.16, 1994	Japan	-	_	×	
pr	1N	7-234414	Sep. 5, 1995	Japan	-			×
كروا	10	8-292423	Nov. 5, 1996	Japan				×
DW	1P	7-281195	Oct.27, 1995*	Japan				X

### OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q			·				
							•	
	1R					•		_
	18				;			_
<u>-</u>		 	<del></del>					_

**EXAMINER** 

DATE CONSIDERED

6/18/07

# PATENT APPLICATION

Sheet 2/3

QE	- hou is	FC
6	4700	γĻ!: A F
\ <b>668</b>	<b>,</b>	3
PATE	VT & TRACE	<u>/</u>

ORM PTO-1449

ST OF PATENTS AND PUBLICATIONS FOR PPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

	•		
ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION	NO.
2803.64680 09.663,580			
APPLICANT		· ·	
Takeda et al.			
FILING DATE	GROUP		
Sep. 15, 2000	2871		

#### REFERENCE DESIGNATION

#### **U.S. PATENT DOCUMENTS**

		O.S. PATENT DOCUMENTS		-, ·:		
EXAMINER INITIAL	INER DOCUMENT IAL NUMBER		NAME	CLASS	SUB	
2A		-				
2B						
2C						
2D						
2E					<del></del>	
2F						
2G					<del></del>	
2H						
21					<del></del>	
<b>2</b> J						
2K						

### FOREIGN PATENT DOCUMENTS

	1	DOCUMENT	DATE	NAME	01/1.00	SUB	TRANSLATIO	
	4	NUMBER		<u> </u>	CLASS	CLASS	YES	NO
Pri	2L	7-318950	Dec.8,1995	Japan	_	_	×	
g~	2M	9-43592	Feb.14, 1997	Japan	-		х	
g~	2N	9-120075	May.6,1997	Japan			<del></del>	×
Por	20	7-104450	Nov. 3, 1995	Japan				×
Ort-	2P	2507122	Apr.2,1996 *	Japan				X

# OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2	Q			
2	R			
2:	6			· · · · · · · · · · · · · · · · · · ·
EXAMINER	1 2 1 2 1 2 1 2	DATECO	NSIDEDED O	1 7 0

## PATENT APPLICATION

Sheet 3/3

OLE	E 4,	& 7/2.
FE	3 4 20	
\ ^	TATRI	238/

RM PTO-1449

T OF PATENTS AND PUBLICATIONS FOR PLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION	NO.
2803.64680	09/663,580		
APPLICANT		<del></del>	
Takeda et al.		•	
FILING DATE	GROUP		
Sep. 15, 2000	2871		

REF	EREN	CE	DESI	GNA	TION
	_,_,	~		wiv.	

#### **U.S. PATENT DOCUMENTS**

	·	0.0. I A I E	NI DOCOMENTS	-, · :	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
ЗА					· · · · · · · · · · · · · · · · · · ·
3B			<del></del>		
3C				1.	<del></del>
. 3D					
3E					
3F					
3G					····
ЗН					
31					
31			•		
зк					

### FOREIGN PATENT DOCUMENTS

•		DOCUMENT	DATE	NAME	CLASS	SUB	TRAN	VSLATION
<del></del>		NUMBER		<u> </u>	CDASS	CLASS	YES	NO
8	3L	445 777	Sep.11, 1991	Europe	_	_	×	
DN	ЗМ	676 661	Oct.11,1995	Europe	-		×	<u> </u>
_	3N				<del></del>	<u> </u>	<b>-</b>	
	30							<del></del>
	3P							<b></b>

# OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

		<u> </u>	<b>3</b> , , , , , , , , , , , , , , , , , , ,
3Q			
ЗR			
			•
38			
	· · · · · · · · · · · · · · · · · · ·		•
FY A MINED	Did and Co		·· , , , , , , , , , , , , , , , , , ,

DATE CONSIDERED

06/18/17

Examiner Date Considered 06/18/67

\*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<u>of 1</u>

orm PT	AUG 0 2 2000 w	Commerce		Attorney Docket No.: 432	28.64680	Serial No.:	09/663,5	80
lev. 8-88)	Patentand Tradema	rk Office		Applicant: Takeda et al.		<u> </u>		
NFORMAI	'ION DISCLOSURE CITA' sheets if necessary)	TION		Filing Date: September 15	5, 2000	Group: 28	71	
.S. PATEN	IT DOCUMENTS	<del></del>		J		1	<del></del> .	
Examiner Initial*	Document Number	Date		Name	Class	Subclass		g Date
DN	6,266,166	July 24, 2001	Katsumata		339	003	_	<u> </u>
				<del> </del>				
	-			<u> </u>			1	
						ļ. <u>.</u>		
								····
REIGN P	ATENT DOCUMENTS			<u></u>		<u> </u>	l.,	
							Translat	ion
	Document Number	Date .	Country		Class	Subclass	Yes	No
bu	07-225389	Aug. 22, 1995	Japan				Abs.	
Dr	07-147426	June 6, 1995	Japan			-	Abs.	ļ 
now	08-029790	Feb. 2, 1996	Japan		7		Abs.	
0N	9-105908	March 22, 1997	Japan				X*	
				·				
							l	
THER DO	CUMENTS (Including Aut	hor, Title, Date, Pe	rtinent Pages	s, Etc.)		• .		
THER BO								
III EK DO								

**Date Considered** 

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

18

06

Examiner

\*Examiner:

Sheet 1 of 1

orm PTO-1	1449 U.S. Department of	Commerce O	Attorney Docket No.: 432	8.64680	Serial No.:	09/663,58	80
Rev. 8-88)	Patent and Tradema	rk Office	Applicant: Takeda et al.		<del></del>		
	TION DISCLOSURE CITA' I sheets if necessary)	TION APR	Filing Date: September 15	, 2000	Group: 28	71	
.S. PATE	NT DOCUMENTS	· PA	COLUMN CO. 1				
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing If Appre	Date opriate
			·				
						ļ	
	,			·			
					<u> </u>		
REIGN I	PATENT DOCUMENTS			<del></del>		1	
·  .					ļ	Translation	
	Document Number	Date	Country	Class	Subclass	Yes	No
			·				
	·				ļ		
					ļ		
					<u> </u>		<del></del> .
	<u> </u> -				•		
THER DO	OCUMENTS (Including Aut	hor, Title, Date, Pe	rtinent Pages, Etc.)		· · · · · · · · · · · · · · · · · · ·	·	
9~	Lee et al., "High Contrast 678	Homeotropic LCD	s Utilizing Negative-Birefringent Compe	nsation Film," S	SID 97 Diges	t, 1997, pp	. 675-
	·						